|   | Index of Claims                         |          |    |              |          |         |         |          |                     |            |          |          |          | Application/Control No. |                |              |          |           |        |          |       |            | Applicant(s)/Patent under Reexamination |              |           |          |           |         |           |   |  |
|---|---|----------|----|--------------|----------|---------|---------|----------|---------------------|------------|----------|----------|----------|-------------------------|----------------|--------------|----------|-----------|--------|----------|-------|------------|---|--------------|-----------|----------|-----------|---------|-----------|---|--|
|   |   |          |    |              |          |         |         |          |                     |            |          |          |          |                         | 10/608,400     |              |          |           |        |          |       |            |   | PUGIA ET AL. |           |          |           |         |           |   |  |
|   |   |          |    |              |          | Ш       |         |          |                     |            |          |          |          | ľ                       | Examiner       |              |          |           |        |          |       |            |   | Art          |           |          | • • •     |         |           |   |  |
|   | I III LIILI III III III III III III III |          |    |              |          |         |         |          |                     |            |          |          |          |                         | Brian J. Sines |              |          |           |        |          |       | 1743       |   |              |           |          |           |         |           |   |  |
|   | √ Rejected (Through                     |          |    |              |          |         |         |          |                     |            |          |          |          | era                     | 1)             | 7            | П        | Non-Elect |        |          | tod.  | he         | П                                       | Appeal       |           |          |           |         |           |   |  |
|   |   |          |    |              |          |         |         |          | H                   | Cancelled  |          |          |          |                         |                | N            |          |           |        |          | A     |            |   |              | -         |          |           |         |           |   |  |
|   |   |          |    |              | Allowed  |         |         | ]        |                     | Restricted |          | <b>.</b> |          |                         | 1              | Interferer   |          | eren      | ce     | 0        |       | Objected   |   |              |           | •        |           |         |           |   |  |
|   | Cla                                     | im       | a  | S Date       |          |         | te      | е        |                     |            |          | laim     |          |                         | Dat            |              | e        |           | ]      | Cla      | aim   |            | Date                                    |              |           |          |           |         |           |   |  |
|   | _                                       | ā        | 10 | A            | VIII V   |         |         |          | П                   |            |          | a a      |          |                         |                |              |          |           |        | 7        | _     |            | П                                       |              | П         |          |           |         | П         |   |  |
|   | Final                                   | Original | 13 | 19           | 1        |         |         |          | 1                   |            | Final    | Original |          |                         | 1              |              |          |           |        |          | Finat | Original   |   |              | Н         |          |           |         |           |   |  |
|   | _                                       | 0        | 13 | "            | 1        | ┸       |         | L        |                     | ╝          |          | 1        |          |                         |                |              |          |           |        |          | 1     |            | Ш                                       |              | Ш         |          |           |         | Ш         |   |  |
|   |   | 1        | 6  | Y            | _        | -       | 1       | ↓_       |                     | 4          |          | 51       | Н        |                         | _              |              | Н        | _         | 4      | 4        |       | 101        | $\square$                               |              |           | $\Box$   | $\dashv$  | $\perp$ | $\square$ |   |  |
|   |   | 3        | Y  | Y            | $\dashv$ | ╌       | ╁       | ╁        | $\vdash$            | -          | -        | 52<br>53 | Н        | $\dashv$                | ┿              | ╁╴           | Н        | -         | ╁      | -        | -     | 102<br>103 | ╁                                       | +            | Н         | $\dashv$ | -         | +-      | H         |   |  |
|   |   | 4        |    | V            | 士        | 土       | 1       | 匚        |                     |            |          | 54       |          |                         | 士              |              |          |           |        | ]        |       | 104        |   |              |           |          | $\Box$    | $\top$  | Ħ         |   |  |
|   |   | 5        | 7  | Y            | $\perp$  | $\perp$ | _       | L        |                     | _          |          | 55       | Ш        | $\Box$                  | $\bot$         | $\perp$      |          | $\dashv$  | 1      | ]        |       | 105        | Ц                                       |              | П         | Ц        | $\dashv$  |         | П         |   |  |
|   |   | 7        | と  | ╎            | +        | ╁       | ╁       | ╀        | ╌┤                  | ┥          | -        | 56<br>57 | Н        | $\dashv$                | +              | ╀            | Н        | -         | +      | -        |       | 106<br>107 | H                                       | -            | Н         | $\vdash$ | $\dashv$  | -       | Н         |   |  |
|   |   | 8        | V  | V            | 土        | 上       |         |          |                     | ゴ・         |          | 58       |          |                         |                |              |          |           | 士      | ]        |       | 108        |   | 士            |           |          | 寸         | $\neg$  | Ħ         |   |  |
|   |   | 9        | 5  |              |          | $\top$  | $\perp$ | $\Box$   | П                   |            |          | 59       | П        | $\Box$                  | $\top$         |              |          | $\Box$    | $\Box$ | ]        |       | 109        | $\Box$                                  |              |           |          | $\supset$ |         | $\Box$    |   |  |
|   |   | 10<br>11 | 2  | X            | +        | +       | ╁       | ╀        | $\vdash$            | 4          | -        | 60<br>61 | ┦┤       | +                       | +              | ╀            | Н        | -         | +      | -        |       | 110<br>111 |   | -            | Н         | $\dashv$ | +         | -       | Н         | ٠ |  |
|   |   | 12       | V  | <del>d</del> | $\top$   | +       | +       | 1        | Н                   | 7          | -        | 62       | Н        | 十                       | +-             | ╁            | Н        | $\dashv$  | +      | 1        |       | 112        | $\vdash$                                | +            | H         | $\vdash$ | $\dashv$  | _       | H         |   |  |
|   |   | 13       | 4  | V            | ⇉        | 上       | 上       |          |                     |            |          | 63       | П        | $\Box$                  |                | 匚            |          |           |        | ]        |       | 113        |   |              |           |          |           | 工       |           |   |  |
|   |   | 14<br>15 | 님  | 넑            | +        | +       | +-      | ⊢        | $\vdash$            | -          | <u> </u> | 64<br>65 | Н        | $\dashv$                | +              | ┼            | Н        | $\dashv$  | - -    | -        |       | 114        | Н                                       | +            | ╀┩        | $\sqcup$ | -         | - -     | Н         |   |  |
|   |   | 16       |    | 늽            | +        | +       | +       | ┼─       | $\vdash$            | -          | <u> </u> | 66       | Н        | +                       | +              | ╁            | Н        | $\dashv$  | +      | - 1      |       | 115<br>116 | Н                                       |              | H         | H        | -         | +-      | Н         | • |  |
|   |   | H        |    |              |          |         | I       |          |                     |            |          | 67       |          | 士                       | 工              |              |          |           | 工      | J i      |       | 117        |   |              | $\Box$    |          | Ī         |         |           |   |  |
|   |   | 18       | Ш  | 4            | $\perp$  | $\perp$ | 1       | <u> </u> | $\vdash$            | _          |          | .68      | $\sqcup$ | 4                       |                | 1            | Ш        |           | 4      | <b>-</b> |       | 118        |   |              | Ш         | $\Box$   | $\Box$    |         | $\Box$    |   |  |
| • |   | 20       | Н  | $\dashv$     | $\dashv$ | +       | ╁       | ╁        | ┝╌┼                 | $\dashv$   |          | 69<br>70 | H        | ┰                       | +              | +            | Н        | $\dashv$  | +      | -        |       | 119<br>120 | $\vdash \vdash$                         | +-           | Н         | $\dashv$ | $\dashv$  | +       | H         |   |  |
|   |   | 31       | П  |              | 十        | 1.      | -       |          | H                   | _          |          | 71       | Н        | +                       | +              | +            | Н        | $\dashv$  | 十      | 1        |       | 121        | H                                       | $\dashv$     | H         |          | $\dashv$  | +       | Н         |   |  |
|   |   | 22       |    |              |          | I       | 工       |          | П                   |            |          | 72       | П        | $\Box$                  | $\perp$        |              |          |           | $\Box$ | ] ]      |       | 122        |   |              |           |          | $\Box$    |         |           |   |  |
|   |   | 23       | Н  | $\dashv$     | +        | ╀       | +       | 1        | Н                   | $\dashv$   | <u> </u> | 73<br>74 | Н        | -                       | - -            | ╀            | Н        | $\dashv$  | +      | -        |       | 123<br>124 | $\vdash$                                | -            | ╌         | $\dashv$ |           | -       | $\dashv$  |   |  |
|   | _                                       | 25       | H  | $\dashv$     | $\dashv$ | +       | ╅╌      | 1        | H                   | -          | <u> </u> | 75       | Н        | ┰                       | ╅              | ╁            | Н        | -         | ╅      | -        |       | 125        | $\vdash$                                | +            | $\vdash$  | H        | $\dashv$  |         | Н         |   |  |
|   |   | 26       |    | $\Box$       | $\Box$   |         |         |          |                     | $\Box$     |          | 76       |          | $\Box$                  |                |              |          |           |        | ]        |       | 126        |   |              |           |          |           |         |           |   |  |
|   |   | 27<br>28 | 5  | H            | _        | +       | ╁       | $\vdash$ | $\vdash \vdash$     | 4          | -        | 77<br>78 | $\sqcup$ | $\dashv$                | ╀              | ╀            | Н        |           | +      | -        |       | 127        | $\vdash$                                | 4-           | $\square$ |          |           | -       | $\vdash$  |   |  |
|   | _                                       | 29       | Ü  | 뉩            | $\dashv$ | +       | ╁╴      | $\vdash$ | $\vdash$            | $\dashv$   | _        | 79       | H        | -                       | ╌              | 十            | Н        | -         | ╌├╴    | -        |       | 128<br>129 |   | +            | H         | $\dashv$ | $\dashv$  |         | Н         |   |  |
|   |   | 30       | 7  | u            | $\Box$   |         |         |          |                     |            |          | 80       |          |                         |                | 上            |          |           |        | ן [      |       | 130        |   |              |           |          |           | 工       |           |   |  |
|   |   |          |    | Y            | +        | +       | +       | ╀-       | $\sqcup$            | _          |          | 81<br>82 | $\sqcup$ | 4                       | +              | ╄            | Н        |           | 4      | ┨.       |       | 131        | $\square$                               | _            | Н         | $\Box$   | _         | 4       | Ш         |   |  |
|   |   | 32<br>33 | 7  | Y            | ╅        | +       | ╁       | +        | H                   | -          | -        | 83       | Н        | $\dashv$                | ╬              | ╁            | Н        | $\dashv$  | ╁      | $\dashv$ | _     | 132<br>133 | -                                       | +            | Н         | $\dashv$ | $\dashv$  | ┰       | ╁┤        |   |  |
|   |   | 34       |    |              |          |         | T       |          |                     |            |          | 84       |          |                         |                |              |          |           |        | <b>]</b> |       | 134        |   |              |           |          |           |         | $\Box$    |   |  |
|   |   | 35       | Ц  | _            | _        | $\perp$ | 1       |          |                     |            |          | 85       | П        | _                       |                | $oxed{oxed}$ | Ш        | $\dashv$  | $\bot$ | 7        |       | 135        |   | $\perp$      |           |          | $\Box$    |         | П         |   |  |
|   |   | 36<br>37 | Н  | +            | ╌        | ╬       | ╁       | ┢        | Н                   | $\dashv$   |          | 86<br>87 | ╁╌┨      | +                       | ╬              | ╁            | $\vdash$ | $\dashv$  | +      | -        |       | 136<br>137 | $\vdash$                                | +            | $\vdash$  | $\dashv$ | -+        |         | ╀┤        |   |  |
|   | -                                       | 38       | Н  | 7            | _        | 十       | 1-      | 十        | H                   | -          |          | 88       | Н        | 十                       | +              | 十            | Н        | 7         | +      | ┪╽       |       | 138        | H                                       | +            | Н         |          | 寸         | +       | H         |   |  |
|   |   | 39       | П  | $\Box$       | $\Box$   | 工       | $\perp$ | $\Box$   |                     |            | 匚        | 89       | П        | $\Box$                  | 工              |              |          | $\Box$    | 工      | ]        |       | 139        | 口                                       | $\perp$      |           |          | $\Box$    |         |           |   |  |
|   |   | 40<br>41 | Н  | $\dashv$     | +        | +       | +       | $\vdash$ | dash                | $\dashv$   | <u> </u> | 90       | ╁┤       | +                       | +              | $\vdash$     | Н        | $\dashv$  | +      | ┦ │      |       | 140        | ${oxed{\sqcup}}$                        | 4-           | $\vdash$  | Н        | $\dashv$  | +       | H         |   |  |
|   |   | 42       | Н  | $\dashv$     | +        | +       | +       | $\vdash$ | ${oldsymbol{dash}}$ | $\dashv$   | -        | 92       | +        | +                       | ╁              | +            | Н        | $\dashv$  | +      | ┨╏       |       | 141        | $\vdash$                                | +            | Н         | $\vdash$ | $\dashv$  | +       | H         |   |  |
|   |   | 43       |    |              |          | 工       | I       |          | 口                   |            |          | 93       |          |                         |                |              |          | 1         | 土      | <b>ゴ</b> |       | 143        |   | 工            | П         |          |           |         | $\Box$    |   |  |
|   |   | 44<br>45 | Н  | $\dashv$     | 1        | +       | -       | H        | Н                   |            |          | 94       | $\sqcup$ | $\perp$                 | 1              | H            | Н        | $\perp$   | 1      | 4 1      |       | 144        | Ц                                       |              | $\sqcup$  | Ц        | $\dashv$  | -       | П         |   |  |
|   |   | 46       | Н  | $\dashv$     | +        | +       | +       | -        | H                   |            | $\vdash$ | 96       | H        | +                       | +              | +            | Н        | +         | +      | 1        |       | 145<br>146 | Н                                       | +            | H         | H        | +         | +       | H         |   |  |
|   |   | 47       |    | ╛            | _        | 土       | L       |          | 口                   |            |          | 97       | 口        | ⇉                       |                |              |          | ∄         |        | 11       |       | 147        | H                                       | 士            | ╁┤        |          | ╛         | _       | Н         |   |  |
|   |   | 48       | П  | T            |          | T       | Т       |          |                     |            | 14       | 98       |          | T                       | Т              |              | П        | T         | T      |          |       | 148        | П                                       |              | П         |          | T         | T       | П         |   |  |